

**AMS Facilities of the World** (Status 13 July 2012) : ~**110** facilities

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Country	Accelerator	Facility, Location	Isotopes
<b>NORTH AMERICA</b>			
<i>Canada</i>	2.5 MV Tandetron	IsoTrace Lab, Univ. of Toronto, Toronto (to be closed)	$^{14}\text{C}$ , $^{10}\text{Be}$ , $^{26}\text{Al}$ , $^{129}\text{I}$ , $^{236}\text{U}$ , trace elements
	3 MV Tandetron	Canadian Centre for AMS, University of Ottawa ( <b>2012</b> )	$^{14}\text{C}$ , $^{10}\text{Be}$ , $^{26}\text{Al}$ , $^{129}\text{I}$ , $^{236}\text{U}$ , actinides
<i>USA</i>	0.20 MV MICADAS	Vitalea Science Inc., Woodland, California	$^{14}\text{C}$
	0.25 MV SSAMS	GlaxoSmithKline, Upper Merion, Pennsylvania	$^{14}\text{C}$
	0.25 MV SSAMS	Beta Analytic, Miami, Florida	$^{14}\text{C}$
	0.25 MV SSAMS	Beta Analytic Miami, Florida	$^{14}\text{C}$
	0.25 MV SSAMS	Beta Analytic Miami, Florida	$^{14}\text{C}$
	0.25 MV SSAMS	Beta Analytic Miami, Florida	$^{14}\text{C}$
	0.25 MV SAMS	Xceleron, US branch, Gaithersburg	$^{14}\text{C}$
	0.25 MV SSAMS	Center for Applied Isotope Studies, Univ. of Georgia	$^{14}\text{C}$
	0.25 MV SSAMS	CAMS, Lawrence Livermore National Laboratory ( <b>2014</b> )	$^{14}\text{C}$
	0.5 MV CAMS	Center for Applied Isotope Studies, Univ. of Georgia, Athens	$^{14}\text{C}$
	0.5 MV CAMS	Keck-Carbon Cycle AMS Facility, Univ. of California, Irvine	$^{14}\text{C}$
	0.5 MV CAMS	Accium Biosciences, Seattle	$^{14}\text{C}$
	0.5 MV CAMS	NOSAMS, Woods Hole Oceanographic Institution	$^{14}\text{C}$
	0.5 MV I-CAMS	Idaho National Laboratory, Idaho Falls ( <b>2014</b> )	$^{14}\text{C}$
	1.0 MV Pelletron	Biochemical AMS facility, Lawrence Livermore National Lab	$^{14}\text{C}$ , $^3\text{H}$
	1.0 MV Tandem	Newton Scientific Instrument Biomed AMS at MIT, Cambridge	$^{14}\text{C}$ , $^3\text{H}$
1.0 MV Pelletron	Earth & Space Sciences, UCLA, Los Angeles	$^{14}\text{C}$	
2.5 MV Tandetron	NSF AMS facility, Univ. of Arizona, Tucson	$^{14}\text{C}$ , $^{10}\text{Be}$	
2.5 MV Tandetron	NOSAMS, Woods Hole Oceanographic Institution	$^{14}\text{C}$	

3	MV Pelletron	NSF AMS facility, Univ. of Arizona, Tucson	$^{14}\text{C}$ , $^{10}\text{Be}$ , $^{129}\text{I}$
3	MV Pelletron	Trace Element AMS, Naval Research. Lab, Washington D.C.	$^{14}\text{C}$ , trace elements
3	MV Pelletron	Ion Beam Modification Analysis Lab, Univ. North Texas, Denton	Trace elements
9	MV FN Tandem	PRIME Lab, Purdue Univ., West Lafayette	$^{14}\text{C}$ , $^{10}\text{Be}$ , $^{26}\text{Al}$ , $^{36}\text{Cl}$ , $^{41}\text{Ca}$ , $^{129}\text{I}$
9.5	MV FN Tandem	Center for AMS, Lawrence Livermore National Lab	$^{14}\text{C}$ , $^{10}\text{Be}$ , $^{26}\text{Al}$ , $^{36}\text{Cl}$ , $^{41}\text{Ca}$ , $^{63}\text{Ni}$ , $^{236}\text{U}$ , $^{237}\text{Np}$ , $^{244}\text{Pu}$
10	MV FN Tandem	Physics Department, University of Notre Dame, Indiana	$^{36}\text{Cl}$ , $^{44}\text{Ti}$ , $^{60}\text{Fe}$
25	MV Tandem	Oak Ridge National Laboratory	$^{36}\text{Cl}$
	Supercond. Linac	ATLAS facility, Physics Div., Argonne National Lab, Chicago	$^{39}\text{Ar}$ , $^{63}\text{Ni}$ , $^{146}\text{Sm}$ , $^{182}\text{Hf}$ , $^{236}\text{U}$ , $^{244}\text{Pu}$

## CENTRAL AMERICA

1	MV Tandetron	University of Mexico, Mexico City (2013)	$^{14}\text{C}$ , $^{10}\text{Be}$ , $^{26}\text{Al}$ , $^{129}\text{I}$
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## EUROPE

<i>Austria</i>	3	MV Pelletron	VERA Lab, Faculty of Physics, University of Vienna,	$^{14}\text{C}$ , $^{10}\text{Be}$ , $^{26}\text{Al}$ , $^{36}\text{Cl}$ , $^{41}\text{Ca}$ , $^{55}\text{Fe}$ , $^{129}\text{I}$ , $^{182}\text{Hf}$ , $^{202}\text{Pb}$ , $^{210}\text{Bi}$ , $^{236}\text{U}$ , $^{244}\text{Pu}$
<i>Belgium</i>	0.20	MICADAS	Royal Institute for Cultural Heritage Brussels (2012)	$^{14}\text{C}$
<i>Denmark</i>	1	MV Tandetron	Inst. of Physics and Astronomy, Aarhus University, (Nov. 2013)	$^{10}\text{Be}$ , $^{14}\text{C}$ , $^{26}\text{Al}$ , $^{41}\text{Ca}$ , $^{129}\text{I}$ , U, Pu
<i>Finland</i>	5	MV Tandem	Department of Physics, Univ. of Helsinki, Helsinki	$^{14}\text{C}$
<i>France</i>	3	MV Pelletron	ARTEMIS, CEA, Saclay, Gif-sur-Yvette	$^{14}\text{C}$
	5	MV Tandetron	European Res. Center for Geosci. (CEREGE), Marseille – Aix-en-Provence	$^{10}\text{Be}$ , $^{26}\text{Al}$ , $^{36}\text{Cl}$ , $^{129}\text{I}$

<i>Germany</i>	0.20 MV MICADAS	Klaus-Tschira Lab, Curt-Engelhorn-Stiftung, Mannheim	$^{14}\text{C}$
	3 MV Tandetron	Leibniz-Labor, University of Kiel, Kiel	$^{14}\text{C}$
	3 MV Tandetron	Max Planck Institute for Biochemistry, Jena	$^{14}\text{C}$
	6 MV EN Tandem	Institute of Physics, University of Erlangen, (to be closed)	$^{14}\text{C}$
	6 MV Tandetron	Inst. for Nucl. Physics, Univ. of Cologne	$^{14}\text{C}$ , $^{10}\text{Be}$ , $^{26}\text{Al}$ , $^{36}\text{Cl}$ , $^{129}\text{I}$ , heavy isotopes
	6 MV Tandetron	FZ Dresden-Rossendorf, Germany	$^{14}\text{C}$ , $^{10}\text{Be}$ , $^{26}\text{Al}$ , $^{36}\text{Cl}$ , $^{129}\text{I}$
	14 MV MP Tandem	Maier-Leibnitz Labor, TU/Univ. Muenchen, Garching	$^{26}\text{Al}$ , $^{36}\text{Cl}$ , $^{41}\text{Ca}$ , $^{53}\text{Mn}$ , $^{60}\text{Fe}$ , $^{63}\text{Ni}$ , $^{59}\text{Ni}$ , $^{63}\text{Ni}$ , $^{129}\text{I}$ , $^{182}\text{Hf}$ , $^{244}\text{Pu}$ ,
<i>Hungary</i>	0.20 MV Tandem	MICADAS, Institute for Nuclear Research, Debrecen	$^{14}\text{C}$
<i>Italy</i>	3 MV Tandetron	Department of Physics, Univ. of Florence, Sesto Fiorentino	$^{14}\text{C}$ , $^{10}\text{Be}$ , $^{26}\text{Al}$ , $^{129}\text{I}$
	3 MV Tandetron	Dept. of Engineering of Innovation, Univ. of Lecce, Monteroni	$^{14}\text{C}$
	3 MV Pelletron	CIRCE, Environmental Science Department, University of Napels II, Caserta	$^{14}\text{C}$ , $^{10}\text{Be}$ , heavy isotopes
<i>Netherlands</i>	3 MV Tandetron	Center for Isotope Research, Univ. of Groningen, Groningen	$^{14}\text{C}$
	1 MV Tandetron	BIO-AMS, The Netherl. Org. for Appl. Sci. Res. (TNO) ( <b>2011</b> )	$^{14}\text{C}$ , $^{41}\text{Ca}$
<i>Norway</i>	1 MV Tandetron	University of Trondheim, Trondheim	$^{14}\text{C}$ , $^{10}\text{Be}$ , $^{26}\text{Al}$
<i>Poland</i>	0.5 MV CAMS	Poznan Radiocarbon Lab, Adam Mickiewicz Univ., Poznan	$^{14}\text{C}$
	0.5 MV CAMS	Poznan Radiocarbon Lab, A. Mickiewicz Univ., Poznan ( <b>2012</b> )	$^{14}\text{C}$
<i>Portugal</i>	3 MV Tandetron	Instituto Tecnologico e Nuclear (ITN), Sacavem (Lisbon)	$^{14}\text{C}$ , heavy isotopes
<i>Romania</i>	8 MV FN Tandem	National Institute of Nuclear Physics and Engineering, Bucharest	$^{26}\text{Al}$ , $^{129}\text{I}$
	1 MV Tandetron	National Institute of Nuclear Physics and Engineering, Bucharest	$^{14}\text{C}$
<i>Slovakia</i>	3 MV Pelletron	Comenius University, Bratislava, ( <b>Feb. 2013</b> )	AMS + IBA

<i>Spain</i>	0.20 MV MICADAS	Centro Nacional de Aceleradores, Seville	$^{14}\text{C}$
	1 MV Tandatron	Centro Nacional de Aceleradores, Seville	$^{14}\text{C}$ , $^{10}\text{Be}$ , $^{26}\text{Al}$ ( $^{129}\text{I}$ , Pu planned)
	1 MV Tandatron	Universidade de Vigo, Vigo ( <b>2012</b> )	$^{14}\text{C}$ , other isotopes
<i>Sweden</i>	0.25 MV SSAMS	GeoBiosphere Science Centre, Univ. of Lund, Lund	$^{14}\text{C}$
	5 MV Pelletron	Tandem Laboratory, University of Uppsala, Uppsala	$^{14}\text{C}$ , $^{10}\text{Be}$ , $^{129}\text{I}$
<i>Switzerland</i>	0.20 MV Tandem	MICADAS, Inst. of Particle Physics, ETH Zuerich	$^{14}\text{C}$
	0.5 MV Pelletron	Compact AMS, Institute for Particle Physics ETH Zuerich	$^{14}\text{C}$ , $^{10}\text{Be}$ , $^{26}\text{Al}$ , $^{41}\text{Ca}$ , $^{236}\text{U}$ , $^{244}\text{Pu}$
	6 MV EN Tandem	Institute of Particle Physics, ETH/PSI, Zuerich	$^{14}\text{C}$ , $^{10}\text{Be}$ , $^{26}\text{Al}$ , $^{36}\text{Cl}$ , $^{41}\text{Ca}$ , $^{129}\text{I}$
	0.25 MV Tandem	MICADAS, Institut for Environmental Physics, Univ. of Bern	$^{14}\text{C}$
<i>UK</i>	0.25 MV SSAMS	GlaxoSmithKline, Ware (London)	$^{14}\text{C}$
	0.25 MV SSAMS	Scottish Universities Environmental Research Centre (SUERC) East Kilbride (Glasgow)	$^{14}\text{C}$
	3 MV Tandatron	Oxford Radiocarbon Accelerator Unit, University of Oxford	$^{14}\text{C}$
	5 MV Pelletron	Xceleron, York Biocenter, Heslington, York	$^{14}\text{C}$ , ( $^{41}\text{Ca}$ , $^{129}\text{I}$ )
	5 MV Pelletron	Scottish Universities Environmental Research Centre (SUERC) East Kilbride (Glasgow)	$^{14}\text{C}$ , $^{10}\text{Be}$ , $^{26}\text{Al}$ , $^{36}\text{Cl}$ , $^{41}\text{Ca}$ , $^{129}\text{I}$
	0.5 MV CAMS	CHRONO Center, Queen's University, Belfast	$^{14}\text{C}$
<i>Ukraine</i>	1 MV Tandatron	Institute of Physics, Sumy, Ukraine ( <b>2012</b> )	$^{14}\text{C}$
<b>AFRICA</b>			
<i>Egypt</i>	3 MV Tandatron	Atomic Energy Agency of Egypt, Anshas, Cairo ( <b>status unclear</b> )	$^{14}\text{C}$

*South Africa* 6 MV EN Tandem iThemba LABS, Gauteng, Johannesburg (2013)  $^{14}\text{C}$  (other isotopes planned)

## NEAR EAST

*Israel* 0.5 MV CAMS Phys. Dep, Weizmann Institute, Rehovot (2012)  $^{14}\text{C}$

## ASIA & FAR EAST

*China*

0.05 MeV Cycl.	Mini cyclotron, Shanghai Institute of Nuclear Research	$^{14}\text{C}$
3 MV Tandetron	Institute of the Earth Environment, Chinese Academy of Sciences, Xi'an	$^{14}\text{C}$ , $^{10}\text{Be}$
0.5 MV CAMS	Institute of Heavy Ion Physics, Peking Univ., Beijing	$^{14}\text{C}$
0.5 MV CAMS	Guangzhou Institute of Geochemistry, Academy of Sci. (2013)	$^{14}\text{C}$
6 MV EN Tandem	Institute of Heavy Ion Physics, Peking Univ., Beijing,	$^{14}\text{C}$ , $^{10}\text{Be}$
13 MV MP Tandem	Chinese Institute of Atomic Energy, Beijing	$^{36}\text{Cl}$ , $^{41}\text{Ca}$ , $^{79}\text{Se}$

*India*

3 MV Pelletron	Multi Disciplinary Res. Accel., Institute of Physics, Bhubaneswar	$^{14}\text{C}$
15 MV Pelletron	Nuclear Science Centre, New Delhi	$^{10}\text{Be}$ , $^{36}\text{Cl}$

*Russia*

2 MV Tandem	Budker Institut for Nuclear Physics, Novosibirsk (2012)	$^{14}\text{C}$
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*Japan*

0.25 MV SSAMS	Ocean Research Institute, University of Tokyo (2013)	$^{14}\text{C}$
0.5 MV CAMS	Paleo Labo Co., Ltd., Kurahone, Kiryu	$^{14}\text{C}$
0.5 MV CAMS	Institute for Accelerator Analysis, Kanagawa	$^{14}\text{C}$
0.5 MV CAMS	BIO-AMS, Institute for Accelerator Analysis, Koryama	$^{14}\text{C}$
0.5 MV CAMS	Yamagata University, Yamagata	$^{14}\text{C}$
0.5 MV CAMS	NIES, Dept. of Nuclear Engineering, Univ. of Kyoto (2014)	$^{14}\text{C}$
2.5 MV Tandetron	Dating and Material Research Center, Nagoya Univ., Nagoya	$^{14}\text{C}$ , $^{10}\text{Be}$

	3	MVTandatron	Dating and Material Research Center, Nagoya Univ., Nagoya	$^{14}\text{C}$
	3	MV Pelletron	Institute for Accelerator Analysis, Kanagawa	$^{14}\text{C}$ , $^{10}\text{Be}$
	3	MV Tandatron	Marine Resaerch Lab, Japan Atomic Energy Institute, Mutsu	$^{14}\text{C}$ , $^{129}\text{I}$
	5	MV Pelletron	Tono Geoscience Center, Japan Atomic Energy Agency, Toki	$^{14}\text{C}$ , $^{10}\text{Be}$
	5	MV Pelletron	Research Center for Nuclear Science and Technology, University of Tokyo, Tokyo	$^{14}\text{C}$ , $^{10}\text{Be}$ , $^{26}\text{Al}$
	5	MV Pelletron	National Institute of Environmental Studies (NIES), Tsukuba	$^{14}\text{C}$
	6	MV Pelletron	Institute of Physics, University of Tsukuba ( <b>2014</b> )	AMS + IBA
	8	MV Pelletron	Department of Physics, Kyoto University, Kyoto	$^{14}\text{C}$
	10	MV Tandem	Department of Physics, University of Kyushu, Fukuoka	$^{14}\text{C}$ , $^{36}\text{Cl}$
<i>South Korea</i>	3	MV Tandatron	Department of Physics, Seoul National University, Seoul	$^{14}\text{C}$ , $^{10}\text{Be}$
	1	MV Tandatron	Korean Institute of Geosciences & Mineral Resources, Deajeon	$^{14}\text{C}$ , $^{10}\text{Be}$ , $^{26}\text{Al}$
	6	MV Tandatron	Korea Institute of Science and Technology (KIST), Seoul ( <b>2013</b> )	AMS + IBA
<i>Taiwan</i>	1	MV Tandatron	University of Taiwan ( <b>2012</b> )	$^{14}\text{C}$
 <b>AUSTRALIA &amp; NEW ZEALAND</b>				
<i>Australia</i>	2	MV Tandatron	STAR at ANSTO, Menai, Sydney	$^{14}\text{C}$
	8	MV FN Tandem	ANTARES at ANSTO, Menai, Sydney	$^{14}\text{C}$ , $^{10}\text{Be}$ , $^{26}\text{Al}$ , $^{129}\text{I}$ , $^{236}\text{U}$ , $^{239,240}\text{Pu}$
	1	MV Pelletron	ANSTO, Menai, Sydney ( <b>2013</b> )	$^{14}\text{C}$ , $^{10}\text{Be}$ , $^{26}\text{Al}$
	6	MV Pelletron	ANSTO, Menai, Sydney ( <b>2014</b> )	$^{36}\text{Cl}$ , $^{129}\text{I}$ , actinides
	14	MV Pelletron	Nucl. Phys. Dep., Australian National University, Canberra	$^{14}\text{C}$ , $^{10}\text{Be}$ , $^{26}\text{Al}$ , $^{36}\text{Cl}$ , $^{41}\text{Ca}$ , $^{59}\text{Ni}$ , $^{99}\text{Tc}$ , $^{129}\text{I}$ , $^{182}\text{Hf}$ , $^{236}\text{U}$ , $^{237}\text{Np}$ , $^{244}\text{Pu}$
	0.25	MV SSAMS	Nucl. Phys. Dep., Australian National University, Canberra	$^{14}\text{C}$
<i>New Zealand</i>	0.5	MV XCAMS	XCAMS National Isotope Center, GNS, Lower Hutt	$^{14}\text{C}$ , $^{10}\text{Be}$ , $^{26}\text{Al}$

## **SOUTH AMERICA**

<i>Argentina</i>	8 MV FN Tandem	Nuclear Regulatory Authority, Buenos Aires ( <b>status unclear</b> )	<sup>36</sup> Cl	<sup>14</sup> C, <sup>129</sup> I, actinides
	20 MV Pelletron	TANDAR, National Atomic Energy Commission, Buenos Aires		
<i>Brazil</i>	0.25 MV SSAMS	Dept. of Physics, Fluminense Federal University, Niteroi	<sup>14</sup> C	
	9 MV Pelletron	Nuclear Physics Department, University of Sao Paulo, Sao Paulo	<sup>36</sup> Cl	