

1		The series	
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		(1) Overview of PHITS Physical Processes Models: JAM, JQMD	
		(2) Application Fields of PHITS          Accelerator       Cancer Therapy       Space Technology	
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(	Overview of Al	I-Particle Tra	nsport Code	s in the Worl	d			
By G. W. McKinney in FNDA(Fast Neutron Detectors and Applications Conference) April 2006								
General	MCNPX	GEANT4	FLUKA	MARS	PHITS			
Version	2.5.0	8.0 p1	2005	15	2.09			
Lab. Affiliation	LANL	CERN, IN2P3 INFN, KEK, SLAC TRIUMF, ESA	CERN INFN	FNAL	JAEA,RIST GSI Chalmers Univ.			
Language	Fortran 90/C	C++	Fortran 77	Fortran 95/C	Fortran 77			
Cost	Free	Free	Free	Free (US Gov.)	Free			
Release Forma	t Source & binary	Source & binary	Source & binary	Binary	Source & binary			
User Manual	470 pages	280 pages	387 pages	150 pages	176 pages			
Users	~2000	~1000	~1000	220	220			
Web Site	mcnpx.lanl.gov	cern.ch/geant4	www.fluka.org	www-ap.fnal. gov/MARS	Under const.			
Workshops	~7/year	~4/year	~1/year	~2/year	~1/year			
Input Format	Free	C++ main Fixed geometry	Fixed or free	Free	Free			
Input Cards	~120	N/A	~85	~100	~100			
Parallel Execution	Yes	Yes	No	Yes	Yes			











































































































![](_page_30_Figure_0.jpeg)

![](_page_30_Picture_1.jpeg)