GUIDE SYSTEMS & BEAM LINES

Engineering, design, fabrication, delivery, installation, and documentation

Turnkey Solutions

Mechanical equipment for neutron guides
- vacuum casings; maximum length 8 m
- vacuum steel jackets with enhanced shielding features
- all casings on kinematic mounts
- vacuum connections between casings:
  - steel bellows
  - rubber (EPDM) bellows
- thin neutron windows
- sealing gaskets
  - rubber (EPDM)
  - metallic
- dedicated interfaces to chopper, shutter, etc.
- dedicated inserts for in-pile and shutter sections
- precision linear translation systems for guide changers

On-site installation
- laser tracker & 3d measurement arm assisted
- improved accuracy of guide alignment
- handling complex alignments, e.g. in high radiation areas
- fully compatibility with CAD data
- detailed validation before delivery
- characterisation (in lab) for installation (on site)
- full documentation
- long-term monitoring of alignment possible

SwissNeutronics is certified partner of

SwissNeutronics AG  |  Bruehlstrasse 28  |  CH-5313 Klingnau  |  Switzerland
Phone: +41 (0)56 245 02 02  |  E-mail: tech@swissneutronics.ch  |  www.swissneutronics.ch