



OSIRIS Fixed Blade Radial Collimator



Technical Characteristics:

- 138° Radial Span
- 42 Blades coated with Gd₂O₃
- 348mm Inside Radius
- 780mm Outside Radius
- 407mm Blade Height
- All material Aluminium Alloy

Fixed Blade Collimator this is an essential component of the polarisation analysis section for OSIRIS, it sits immediately after the vessel containing the polarised helium.

It transmits neutrons scattered from the sample and absorbs 'undesirable' neutrons scattered elsewhere, such as the walls of the polarised helium vessel, known as the 'spin-filter' cell.

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