



## Radial Collimator & Detector Box B4C & Boron Polyethylene Protection



### Collimator Technical Characteristics

- Length: 150mm
- Beam Height: 260mm
- Foil Inside Radius: 360mm
- Foil Outside Radius: 484mm
- Overall Angular Span: 30°
- Number of Foils: 39
- Number of Channels: 40
- Angle Between foil centre/lines: 0.75°
- Foil Material: 0.023mm Mylar
- Absorber: Gadolinium Oxide
- Coated Foil Thickness: 0.073mm

### Detector Box:

Inside: 30mm thickness moulded B4C cladding.  
Boron Polyethylene 50mm thickness  
Aluminium Outer Cover 1mm thickness.  
Ratio of B4C & Resin gives the same protection as normal  
50mm cladding  
Manufactured for Laboratoire Leon Brillouin FRANCE



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