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## First options for an ESRF EBS upgrade lattice

*Monday 2 June 2025 16:00 (2 hours)*

A new lattice for the EBS is proposed as preliminary candidate for the next generation ESRF storage ring. This new optics would feature lower emittance, matched optics at all ID, transparency conditions for insertions and overall a net gain in brilliance coherence and flux. Due to the reduced dynamic aperture, on-axis injection with a low emittance beam would be a requirement in order to progress with these optics.

### Footnotes

### Paper preparation format

LaTeX

### Region represented

Europe

### Funding Agency

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