METALLIC SUBSTRATES

Properties

- super-polishing of aluminum & copper – roughness ≈1 Å (RMS)
- high reflectivity (like super-polished glass)
- stability against irradiation ⇒ no degradation up to 9×10¹⁹ n/cm²
- mechanical robustness, extended machining options, including welding
- copper for highly efficient shielding

![super-polished aluminum](image1.png)

![super-polished copper](image2.png)

![metallic in-pile guide – HS separator @ ILL](image3.png)

![metallic in-pile guide – NG-A-D @ NIST](image4.png)