

Date: Mon, 12 Jan 2004  
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Subject: Booster performance improvement plot

Eric gave a nice summary of Booster performance at last week's Booster study meeting. When we put the beam loss plot measured by him and Jim (L.) together with that measured by Bob (W.) in 2000, it is clearly seen that the Booster performance has been improved significantly in the last several years. Here's a comparison plot that you may be interested.

1. At high beam intensity, the loss is reduced by about 50%.
2. More interestingly, the "brick wall" at  $5e12$  in Bob's plot (i.e., a sharp rise in loss near  $5e12$ ) seems disappearing in the new plot.