“The Incredible Shrinking Faraday Cage”  
by E. Hazen

<table>
<thead>
<tr>
<th>Drawings</th>
<th>Layers</th>
<th>Angle</th>
</tr>
</thead>
<tbody>
<tr>
<td>EIL</td>
<td>4-layer</td>
<td>14°</td>
</tr>
<tr>
<td>EIS</td>
<td>4-layer</td>
<td>8.5°</td>
</tr>
<tr>
<td>EM/OO/EEL</td>
<td>3-layer</td>
<td>14°</td>
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<tr>
<td>EM/OO/EES</td>
<td>3-layer</td>
<td>8.5°</td>
</tr>
<tr>
<td>BI</td>
<td>4-layer</td>
<td></td>
</tr>
<tr>
<td>BM/BO</td>
<td>3-layer</td>
<td></td>
</tr>
</tbody>
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Notes:

1. If we accept the size of the faraday cage for the barrel chambers (18.7mm from mezzanine card to f-cage outside) then we are compelled to accept the latest changes to the endcap, I think.

2. Where does the patch panel go in the BI chambers?
NOTE: FOR DISCUSSION
Proposed F-Cage dimensions from JW 1999-01-27
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Proposed F-Cage dimensions from JW 1999-01-27
Current F-Cage

Proposed F-Cage

NOTE: FOR DISCUSSION
Proposed F-Cage dimensions from JW 1999-01-27
NOTES: UPDATED to 1998-12-27 Endplug Drawings
TUBES MUST BE SHORTENED 15mm EACH END
TO CONFORM TO M4 ENVELOPE
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TUBES MUST BE SHORTENED 15mm EACH END
TO CONFORM TO M4 ENVELOPE

Boston Muon Consortium
Boston University - Electronics Design Facility

ATLAS MDT Readout
BM/BO Chambers
PCB Stack Reference

SCALE: DO NOT SCALE
Revision: XXX
Dwg: E. Hazen
Date: 1999-12-14