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Antiproton Source Upgrades 2006-2009

Ralph J. Pasquinelli

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PAC 2009
Vancouver, BC

PROGRESS IN ANTIPROTON PRODUCTION AT THE FERMILAB TEVATRON COLLIDE R *

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Fermilab, Batavia, Il. 60510, U.S.A.

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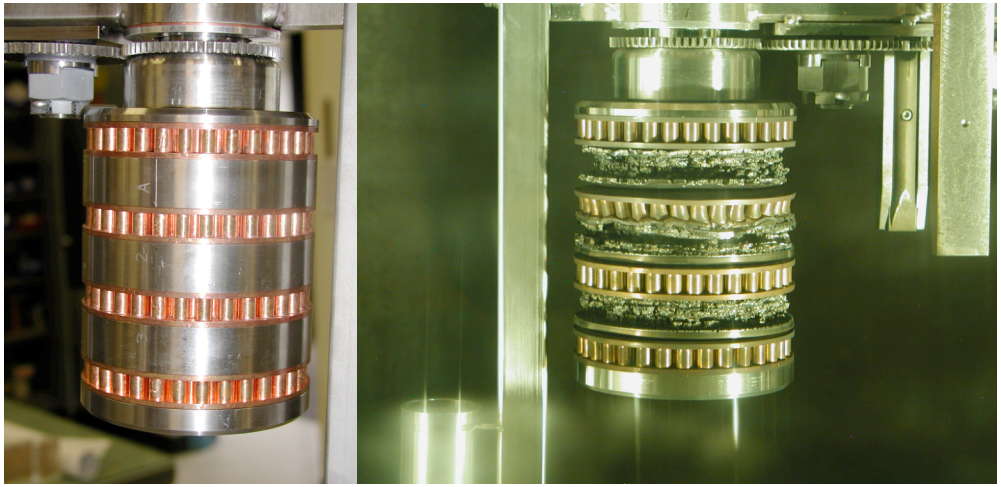
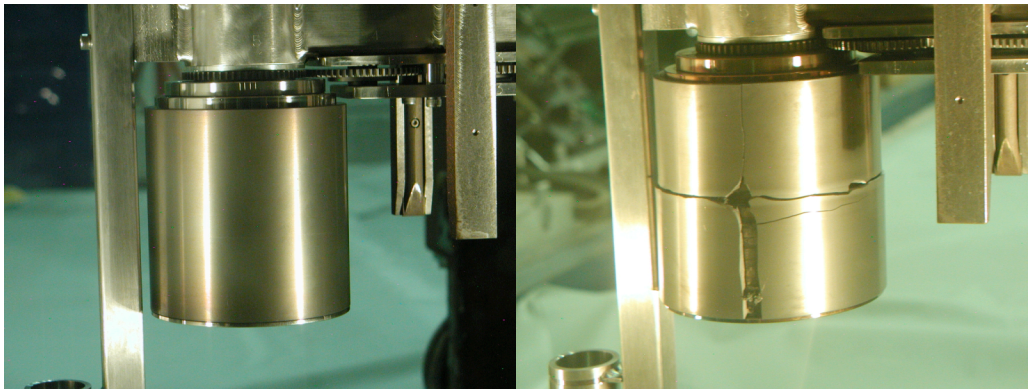
Target Improvements 2006-2009





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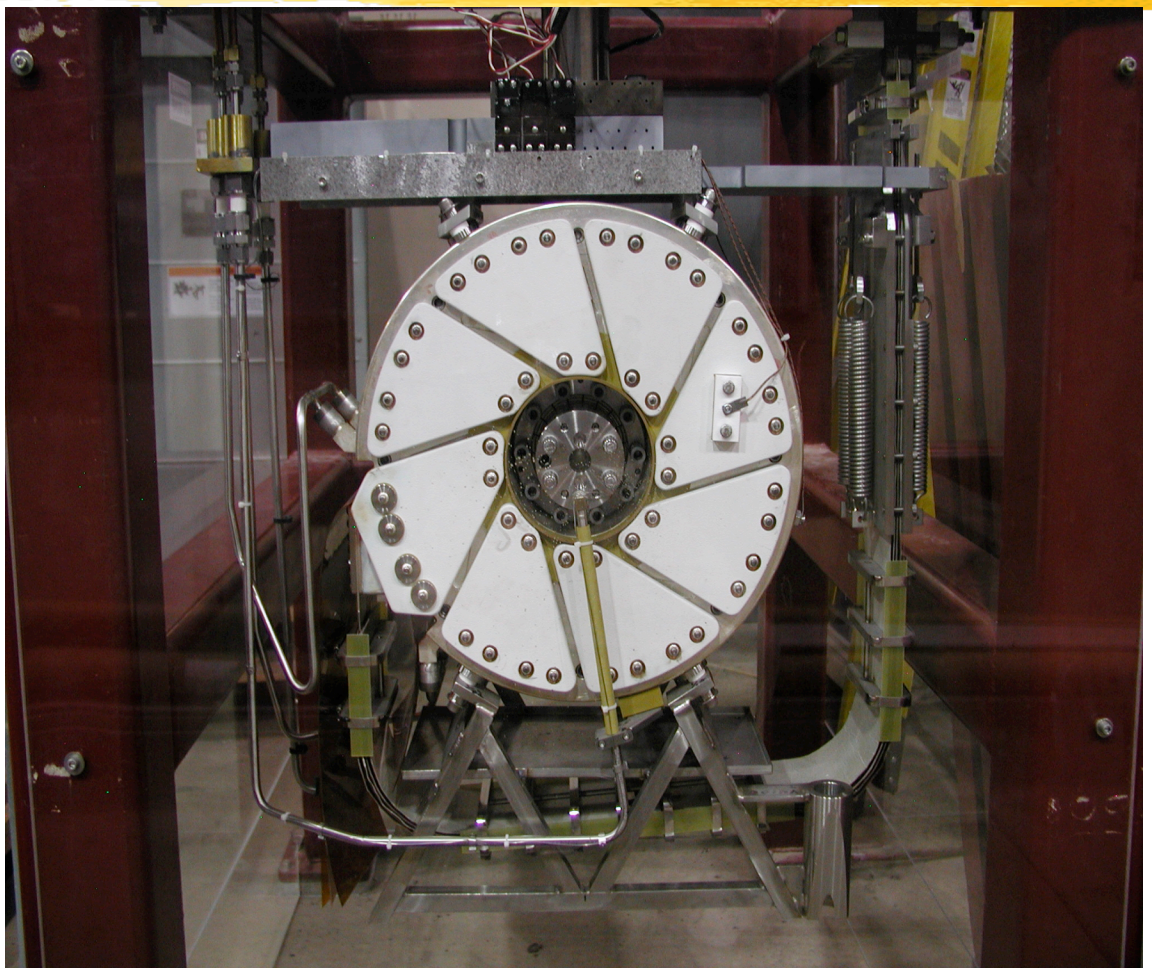
Lithium Lens 2006



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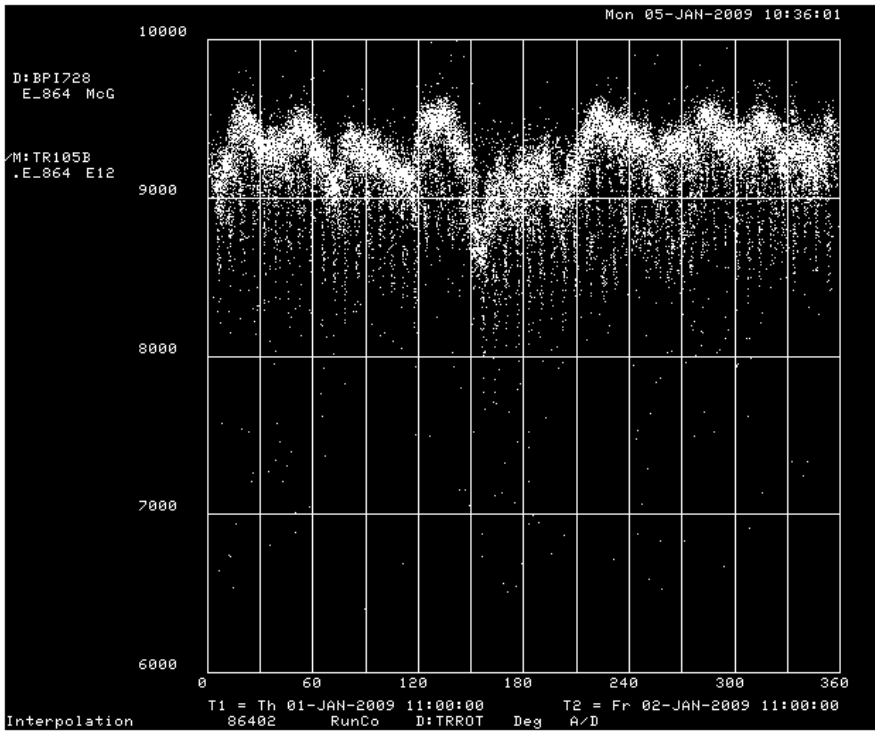
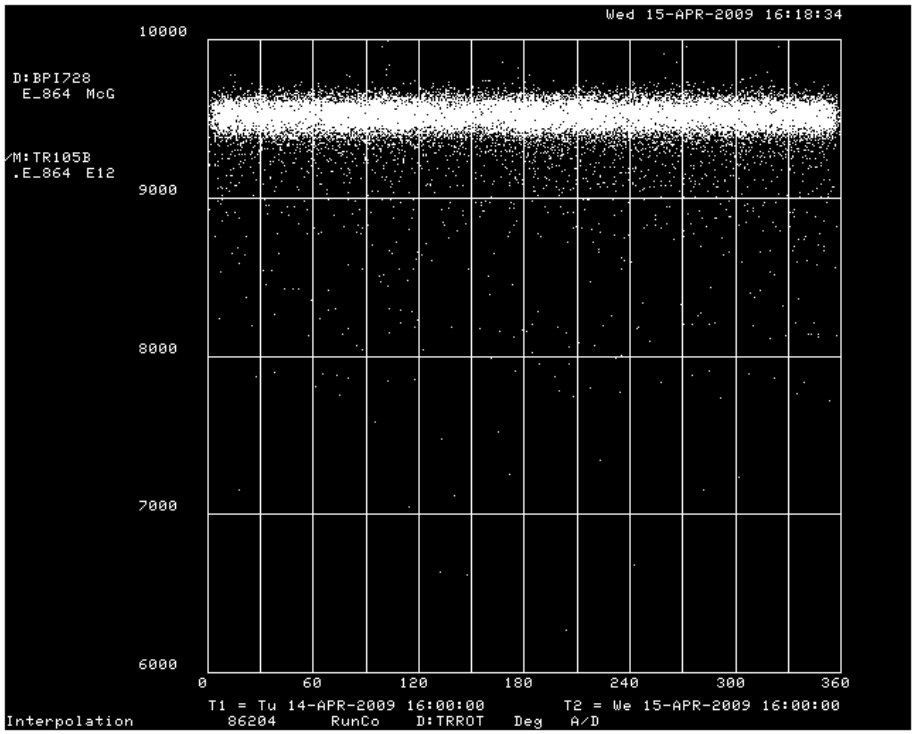
Pbar Target Yields





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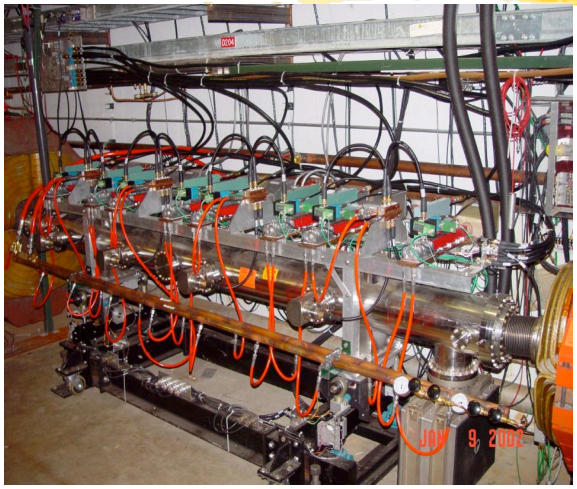
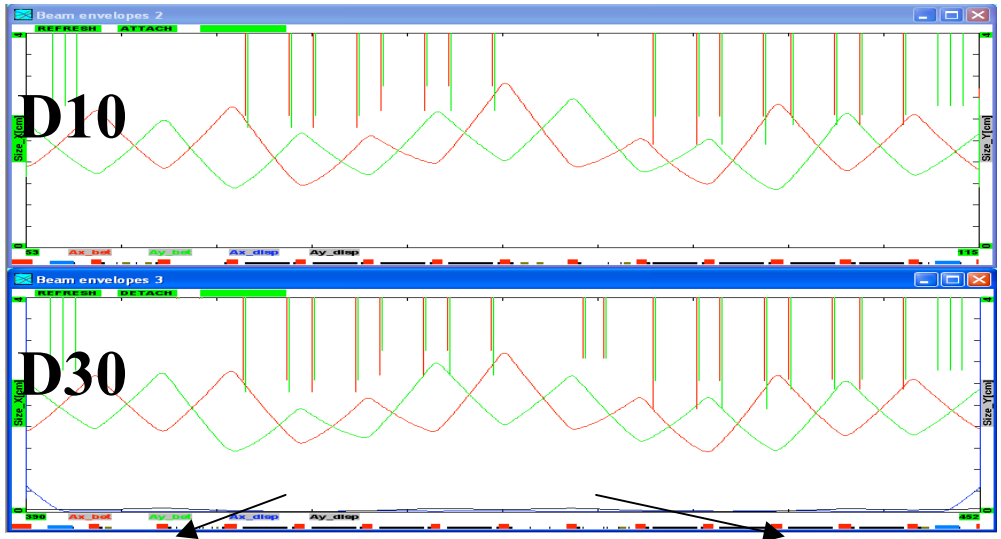
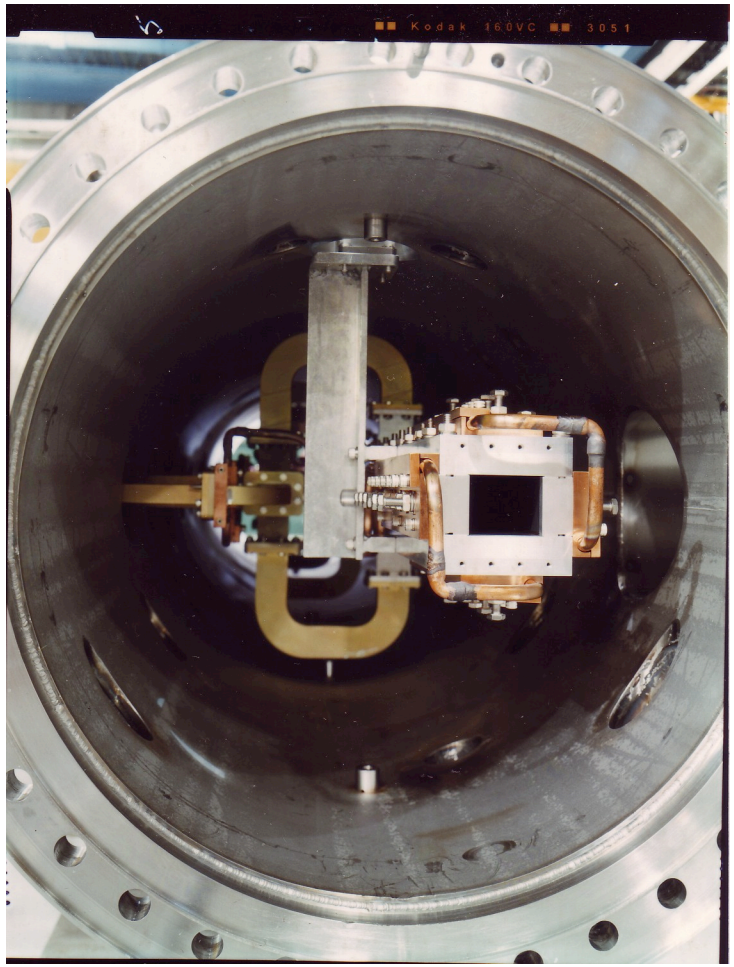
Debuncher Lattice Modifications 2006-2007





16 Debuncher Tanks Shown in Black



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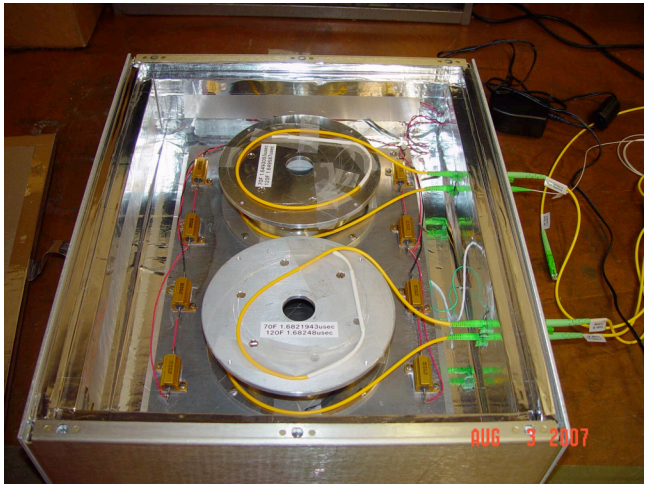
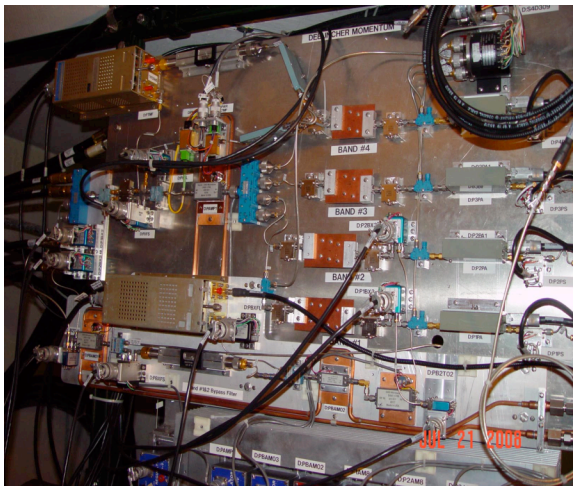
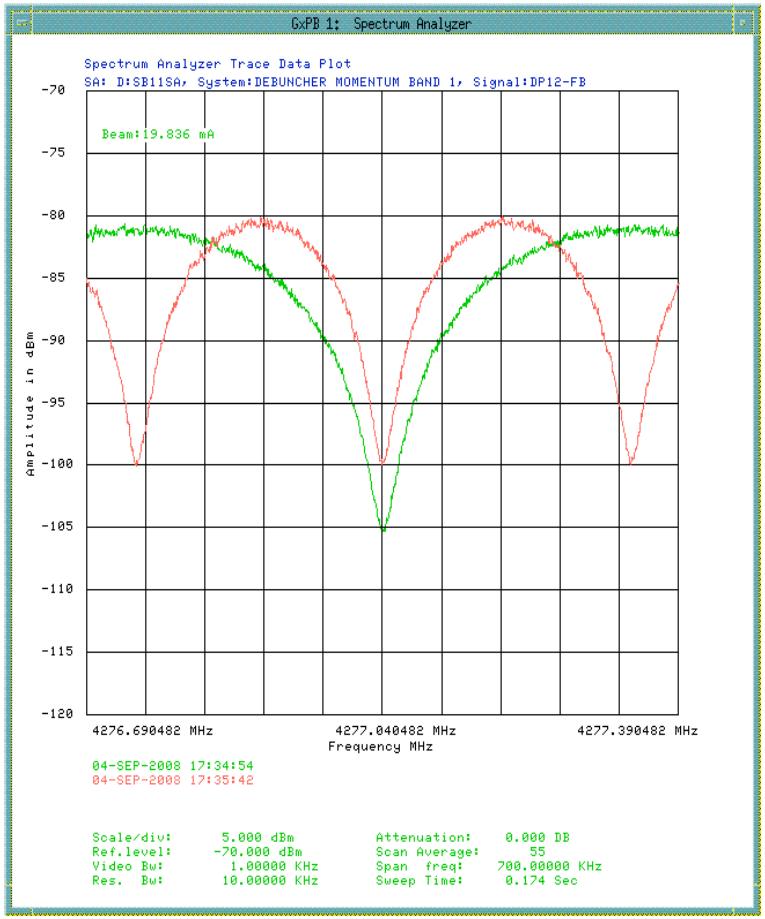
Debuncher Momentum Double Notch Filter 2007







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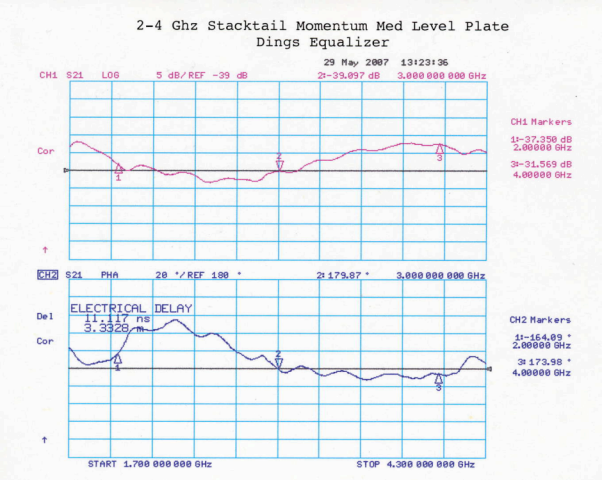
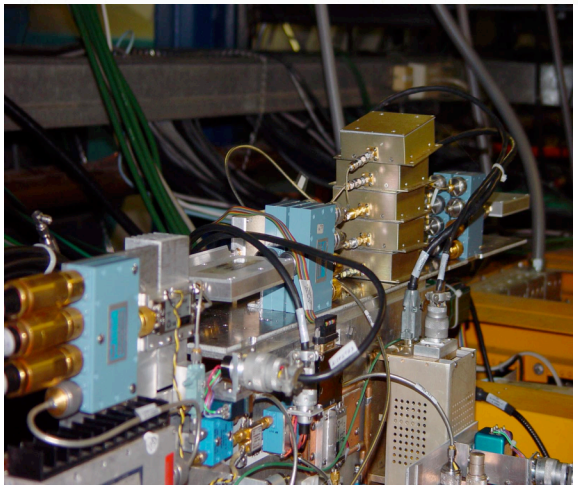
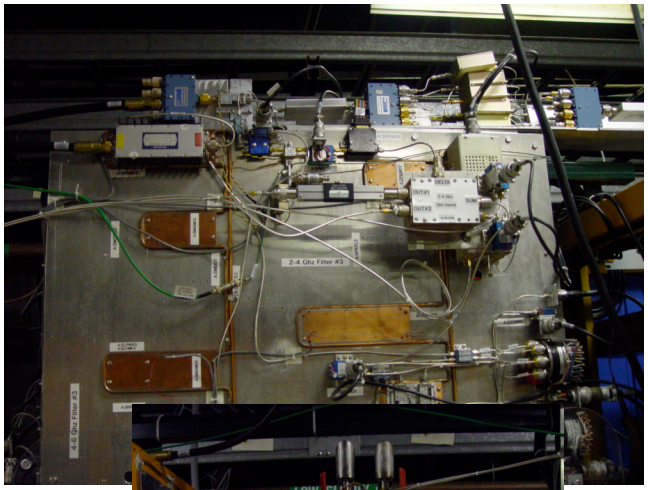
Stacktail Equalizer & Superconducting Notch Filter 2007







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Tuning, Tuning,Tuning…
2008-2009

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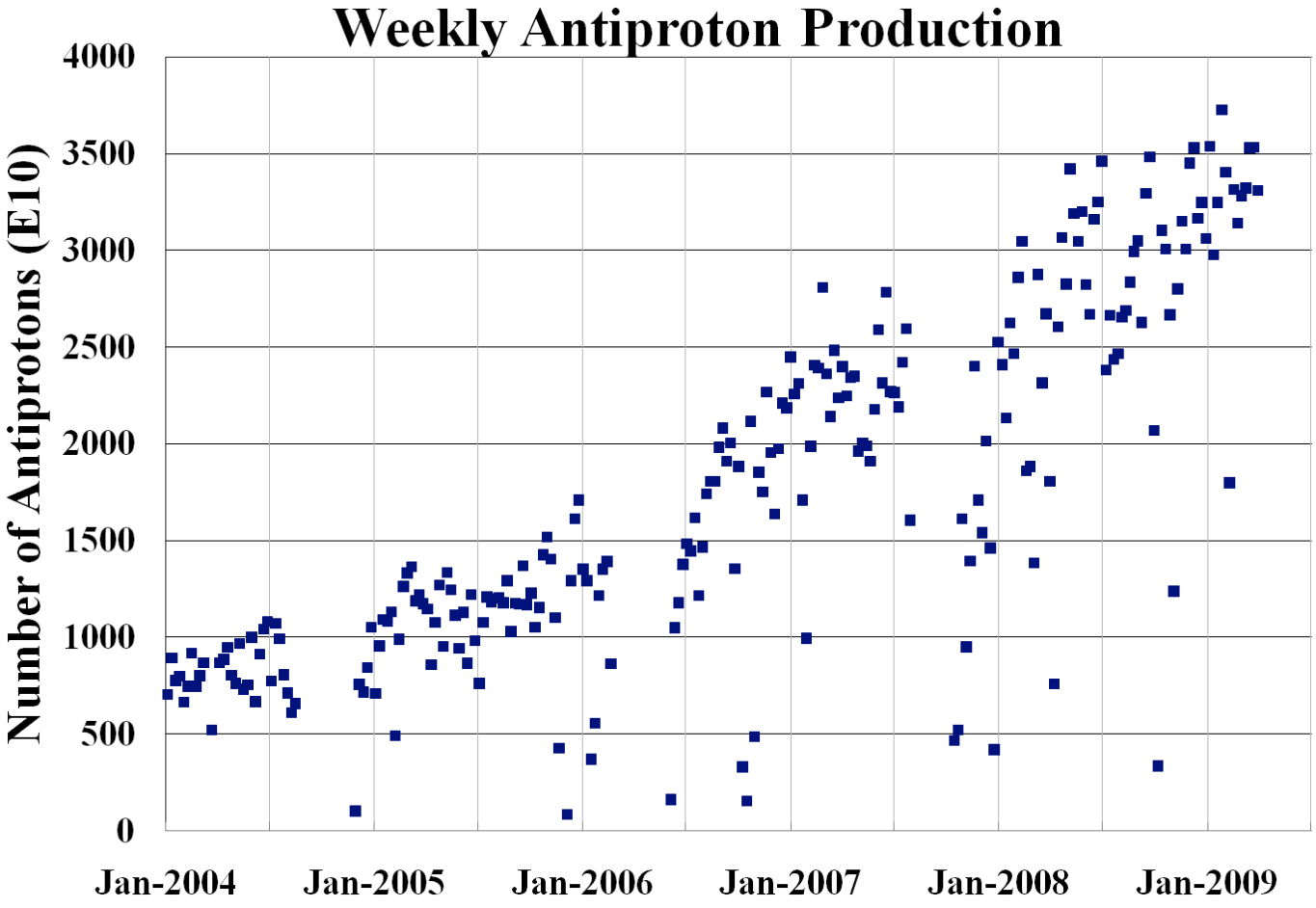
Antiproton Production



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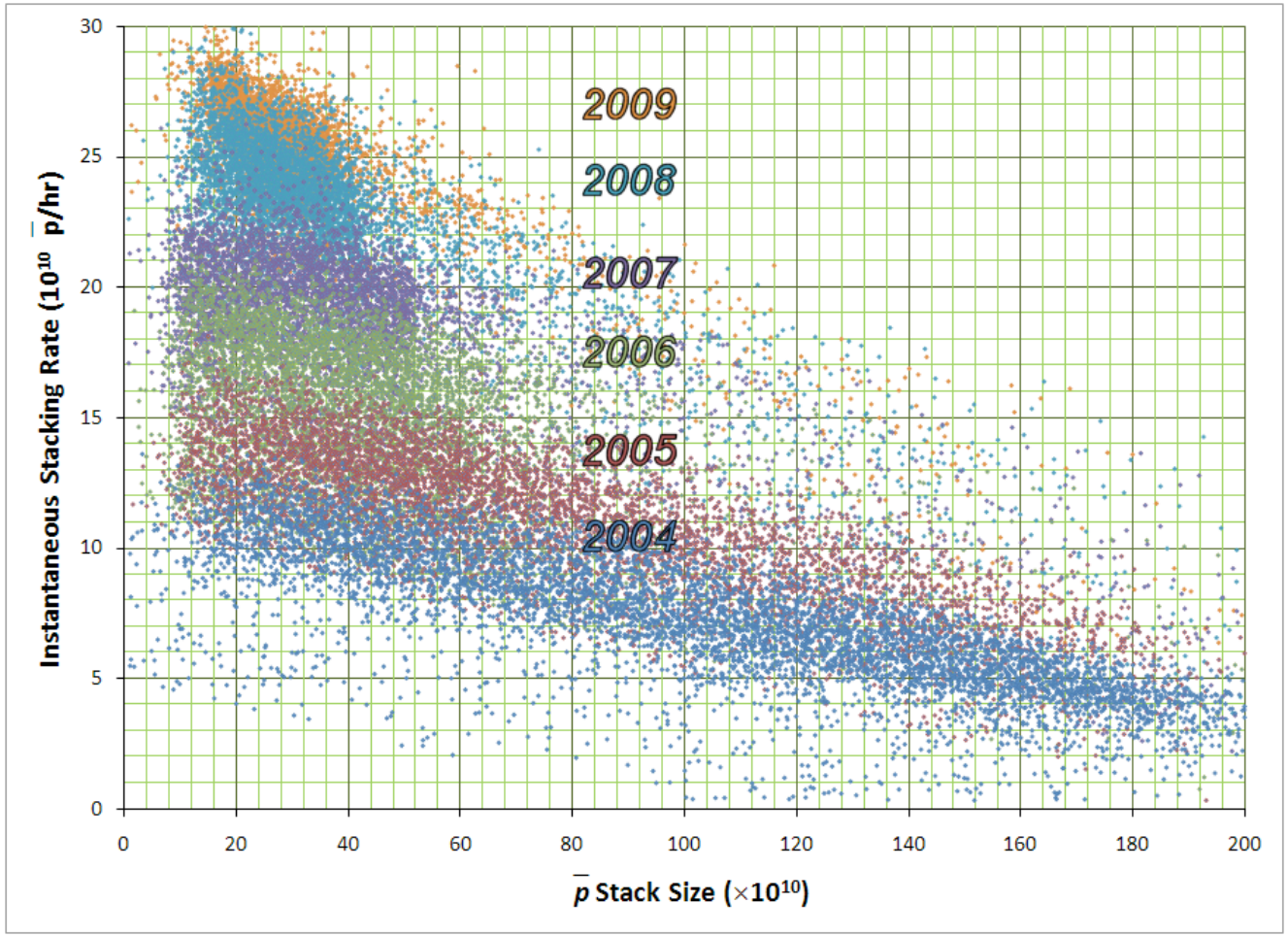
Stacking Rate vs Stack Size



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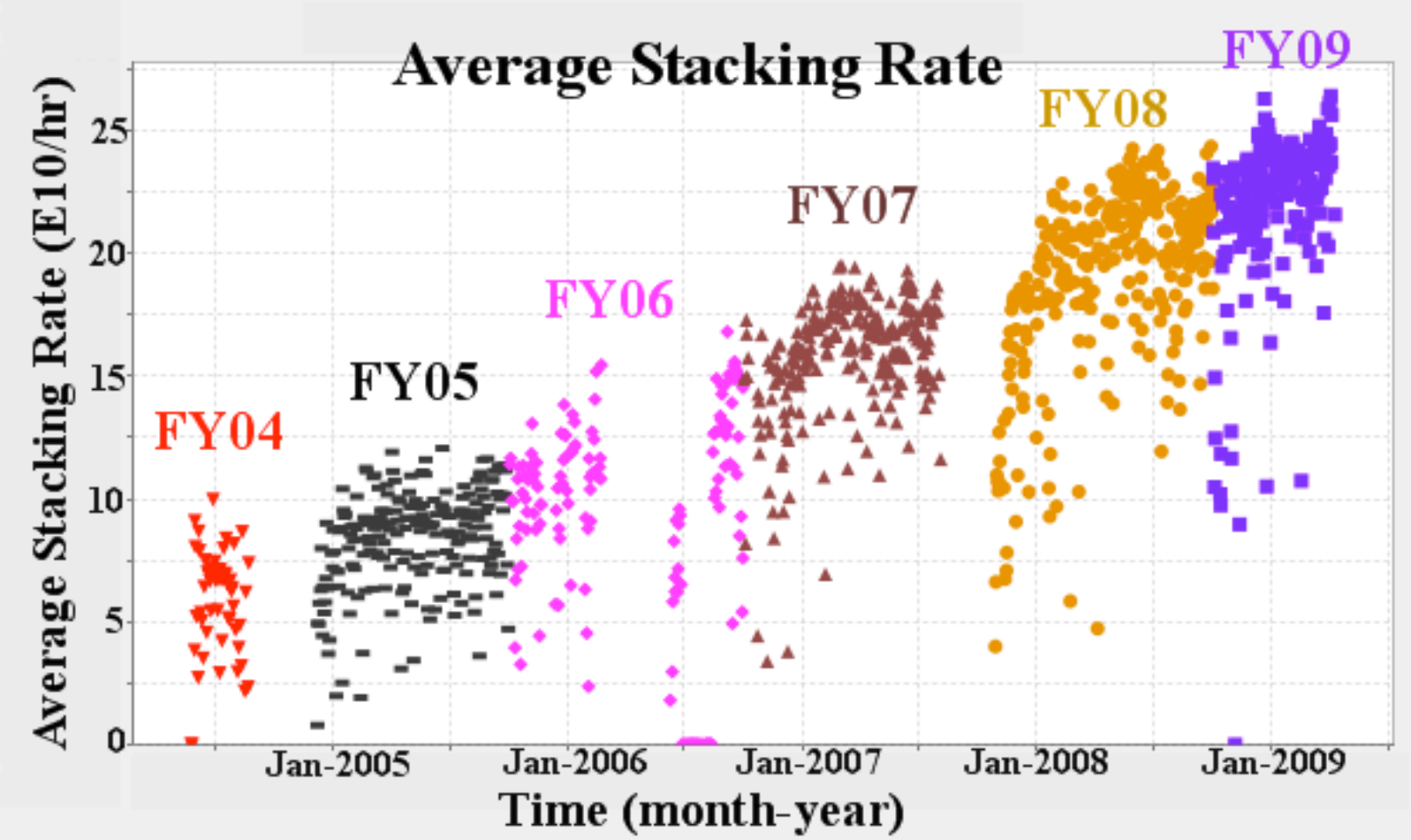

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