

Can We Develop a Model for Anomalous Ion Heating Arising from Internal Reconnection Events?

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- **Magnetics => plasma energy greater than kinetics =>**

Can the ion temperature be higher than present analysis?

- **Internal reconnection events:**

Electron temperature drops, but ion temperature not known.

IRE drives dB/dt and electric field generation.

Follow ion acceleration, slowing down in NSTX with MC code.

TRANSP analysis: allowed ion temperatures and E fields.

Ion temperature diagnostic needed

Connection with astrophysical models for substorm generation?

