

Simulations Reversed Shear Alfvén Eigenmodes

gyrokinetic particle simulations of reversed shear Alfvén ... - gyrokinetic particle simulations of reversed shear Alfvén eigenmode excited by antenna and fast ions wenjun deng, 1 zhihong lin, 1,2,a ihor holod, 1 xin wang, 1,3 yong xiao, 1 and wenlu zhang 1,4 **Alfvén eigenmode stability and fast ion transport in diii ...** - Alfvén eigenmode stability and fast ion transport in diii-d and iter reversed magnetic shear plasmas ... (taes) and reversed shear Alfvén eigenmodes (rsaes) observed to cause fast ion loss. an example spectrum ... fast ion transport simulations have **simulation of Alfvén frequency cascade modes in ...** - linear properties of reversed shear Alfvén eigenmodes in the diii-d tokamak w. deng, z. lin, i. holod et al.-energetic particle physics in fusion research in preparation for burning plasma experiments n.n. gorelenkov, s.d. pinches and k. toi-global linear gyrokinetic simulation of energetic particle-driven instabilities in the lhd stellarator **identification of island-induced Alfvén eigenmodes in a ...** - identification of island-induced Alfvén eigenmodes in a reversed field pinch view the table of contents for this issue, or go to the journal homepage for more ... simulations using a new code called siestAlfvén have identified the bursts as the first ... stellgap computes the shear Alfvén continua for **multi-mode Alfvénic fast particle transport and losses ...** - in many discharges at asdex upgrade fast particle losses can be observed due to Alfvénic gap modes, reversed shear Alfvén eigenmodes or core-localized beta Alfvén eigenmodes. for the first time, simulations of experimental conditions in the asdex **vlasov simulation of kinetic shear Alfvén waves** - since kinetic shear Alfvén waves are landau damped, the use of an equidistant ... of electrons and ions reversed. both kinetic shear Alfvén waves and electron sound waves are landau damped. ... computer simulations. probably the most common approach is the particle-in-cell (pic) method[7]it **interpretation of core localized Alfvén eigenmodes in diii ...** - interpretation of core localized Alfvén eigenmodes in diii-d and joint european torus reversed magnetic shear plasma ... the reversed shear Alfvén eigenmode rsae . this mode resides at the zero shear point where the magnetic safety or q-profile has its minimum. the rsaes reside just above the **simulation of fast-ion-driven Alfvén eigenmodes on the ...** - kinetic-mhd hybrid simulations are carried out to investigate possible fast-ion-driven modes on the experimental advanced superconducting tokamak. three typical kinds of fast-ion-driven modes, namely, toroidicity-induced Alfvén eigenmodes, reversed shear Alfvén eigenmodes, and

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