◆□ > ◆□ > ◆三 > ◆三 > 三 - のへぐ

From single particle to collective effects Alfvén (+other) waves, eigenmodes Fast ion drive of Alfvén modes for EP studies who started it

From single particle to collective effects Alfvén (+other) waves, eigenmodes Fast ion drive of Alfvén modes for EP studies who started it

From single particle to collective effects Alfvén (+other) waves, eigenmodes Fast ion drive of Alfvén modes for EP studies who started it

◆□ > ◆□ > ◆三 > ◆三 > 三 - のへぐ

From single particle to collective effects Alfvén (+other) waves, eigenmodes Fast ion drive of Alfvén modes for EP studies who started it

<□> <□> <□> <=> <=> <=> <=> <=> <<</p>

From single particle to collective effects Alfvén (+other) waves, eigenmodes Fast ion drive of Alfvén modes for EP studies who started it

Motivations From single particle to collective effects Alfvén

Motivations From single particle to collective effects Alfvén

origin of EPs numerical codes fo

▲□ → ▲圖 → ▲ 圖 →

origin of EPs numerical codes for EPs

Motivations	local analysis
From single particle to collective effects	TAE gaps
Alfvén (+other) waves, eigenmodes	
Fast ion drive of Alfvén modes	low frequency gaps

▲□>
▲□>
▲□>
▲□>
▲□>
▲□>

・ロト・1日・1日・1日

local analysis TAE gaps codes on structure low frequency gaps

◆□ > ◆□ > ◆三 > ◆三 > ○ = ○ ○ ○ ○

Motivations From single particle to collective effects Alfvén (+other) waves,

◆□▶ ◆□▶ ◆ □▶ ◆ □▶ → □ ◆ ◆ ●

local analysis TAE gaps codes on structure low frequency gaps

◆□▶ ◆□▶ ◆臣▶ ◆臣▶ 三臣 - のへの

◆□> <□> <=> <=> <=> <=> <=> <<=><</p>

From single particle to

local analysis TAE gaps codes on structure low frequency gaps

◆□▶ ◆□▶ ◆臣▶ ◆臣▶ 三臣 - のへの

▲□ → ▲圖 → ▲ 圖 →

local analysis TAE gaps codes on structure low frequency gaps

< □ >

・ロト ・ 日 ・ ・ ヨ ・ ・ ヨ ・ うへぐ

F

< □ >

< □ >

Motivations	local analysis
From single particle to collective effects	TAE gaps
Alfvén (+other) waves, eigenmodes	
Fast ion drive of Alfvén modes	low frequency gaps

▲□▶ ▲□▶ ▲目▶ ▲目▶ 目 のへぐ

unstable n scales with R experimental confrmation application to ITER

▲□▶ ▲圖▶ ▲臣▶ ★臣▶ ―臣 … 釣�?

・ロト ・四ト ・ヨト ・ヨト

◆□▶ ◆□▶ ◆ □▶ ◆ □▶ → □ ◆ ◆ ●

unstable n scales with R experimental confrmation application to ITER

unstable n scales with R experimental confrmation application to ITER

<□> <□> <□> <=> <=> <=> <=> <=> <=> <</p>

unstable n scales with R experimental confrmation application to ITER

▲□▶ ▲□▶ ▲臣▶ ▲臣▶ ―臣 _ 釣ぬで