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Diverted tokamak plasmas have been simulated by PARASOL2D code with both cases of null point (Upper single null with "Normal" ion ∇B drift direction and lower single null with "Reversed" direction) for stationary conditions and during ELMs. The model for hot particle expulsion during ELMs is illustrated. PARASOL simulations show that ∇B direction influences the balance of ELM heat fluxes between inner and outer divertors in agreement with experimental findings. (Masanari HOSOKAWA *et al.*, Plasma and Fusion Research, Vol.11, 1403104 (2016) <http://www.jspf.or.jp/>)

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