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cases	**authors**	• Xumin Gu • Yanjin Wang	**authors**	• Gu, X. • Wang, Y.	DUPLICATES	1059
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	abstract	We consider a free boundary problem for the incompressible ideal magnetohydrodynamic equations that describes the motion of the plasma in vacuum. The magnetic field is tangent and the total pressure vanishes along plasma-vacuum interface. Under the Taylor sign condition of the total pressure on the free surface, we prove the local well-posedness of the problem in Sobolev spaces.	**abstract**			
	versions		**versions**			