cases	doc_1		doc_2		decision	id
	authors	• Suen, A.	**authors**	• Anthony Suen	NOT DUPLICATES	980
	title	Existence and uniqueness of low-energy weak solutions to the compressible 3D magnetohydrodynamics equations	**title**	Existence and uniqueness of low-energy weak solutions to the compressible 3D magnetohydrodynamics equations		
	publication_date	2020-01-01 00:00:00	**publication_date**	2020-11-11 09:22:01+00:00		
	source	SupportedSources.CROSSREF	**source**	SupportedSources.ARXIV		
	journal		**journal**	J. Differential Equations 268 (2020) 2622-2671		
	volume		**volume**			
	doi	10.1016/j.jde.2019.09.037	**doi**			
	urls	• https://api.elsevier.com/content/article/PII:S0022039619304383?httpAccept=text/xml • https://api.elsevier.com/content/article/PII:S0022039619304383?httpAccept=text/plain • http://dx.doi.org/10.1016/j.jde.2019.09.037	**urls**	• http://arxiv.org/pdf/2011.05651v1 • http://arxiv.org/abs/2011.05651v1 • http://arxiv.org/pdf/2011.05651v1		
	id	id3401723022268324714	**id**	id-4291409088795239656		
	abstract		**abstract**	We prove the existence and uniqueness of weak solutions of the three dimensional compressible magnetohydrodynamics (MHD) equations. We first obtain the existence of weak solutions with small L^2-norm which may display codimension-one discontinuities in density, pressure, magnetic field and velocity gradient. The weak solutions we consider here exhibit just enough regularity and structure which allow us to develop uniqueness and continuous dependence theory for the compressible MHD equations. Our results generalise and extend those for the intermediate weak solutions of compressible Navier-Stokes equations.		
	versions		**versions**			