is expected to have a crystalline structure; while for sufficiently large values of K, the system will remain a quantum fluid even in its ground state.

The values of the ferce parameters and the venulting quantality parameters for several conclused matter systems are collected in Table 2. For mudei we have two sets. One associated with the bane NN-interaction (15 ochannel),

and another with the induced pairing interaction

00 ≈ R (= 1.2 A⁷⁵fm); vo ≈ -0.5 MeV.

It is seen that the transition between quantum liquid and crystalline solid occurs at K ≈ 0.1 (between He and Hz). Ithis builler are expected to display a (non-new-to-mian) quantum liquid structure.

Continents M. 20 a(cm) | vol(ev) | K | phase

3He		3	2.9(10-8)	8.6 (10-4)	1219	liquid	
4 He		4	2.9 (158)	2.6 (10-4)	0.14	liquid	
H2		2	3.3 (10-0)	32 (10-4)	0.06	solid	
20 Ne		20	3.1(108)	31 (10-4)	0.007	solid	
nucleons	bare	1	9 (10-79)	100 (106)8	0.5	liquid	
0:2.4	ignor, j	1	60 C10 (49)	0:5[106]	2.0	liquid	
6) 15, N	W-A	rejoni	ne via	Tabl	202 Q	vantalit sterMotti	y parameter. 18501 (1998)