Quebs a Hado-s Now to the stongly intentor partials gords Band Shitz of gumps (hadars) they also intent vin EM + weak forges but we can often ignore them. 1960's son plater of now puticila appally son Some door have obsered by late 60's Needed some unifying forecook "quark and!" Gell-man / Zveig all of obsord hours could be integrated as bout State of 3 - Events. Industed "se + 3ce

Now, by Acopted

Then, some dutte of mobile quales. - Dynamics of indistrible quite withing position observed - QCD, explies why we could see zerols to Successfully described experiently results to

Authoritation obserd in when had cons 11 17 11 n, p nucleous N.t elevety putils. made et gents Bond together by stong its estim Stong intenden (RGB colons) RGBaticlus g e Colo- (e.t. cla gran pan * 2 R, G, B ER GB 7 (G) An example mere soon before g > 9 q save mass
differd chayes

to exist (2) (d) (d) +3/3) have soon All 6 expailed 6 quales known $(m_{3}=0.3)$ (1.5) (4.5) (173)All isted from bind states or died degg Na acidence de la existence de Co gourts dospite grat for efforts to find them I moon rock However over 200 of good bound states
have been discound. - doep son slug - courie rays - acclando-s Bargons Zee PA Zee n 1c/s the integer spin Mosses de TKDDDT interspire vot st Story dEM i Anti- 249 are only associated where of and sound there & Bayon # } ey p+p -> p+n+77 (wd) (wd) -> (vd) (vdd) + (vd)

Horere for cont that ag Bodom N -> P + e (udd) (u ud) e-N Start of p No & Nd Kindiation of Vent intim Dio-S CMes Tr= (140) 8 8-6) 6-123 x 770 (135) Tro-2 88 Fliletie ~ 10-163 As Co Pepters Q.N. associted with Alacons of zon S- Stageness Bargon Nomban charmaess to Lifetime of Partilez Critical for understoody symmetry C) easy to measure typical timesale associated on Strong Intention ~ road ~ 1023 Harrer geren Q.M. ney not be lighter states available.

House geren Q.M. ney not be some interestion 107-100 s

The second only via weak interestion 107-100 s

EM - powers & 106-1001 s