Ordinary deformation out B
• K: finite extension of $Q_{p}$ $\chi: G_{1} \longrightarrow \mathbb{Z}_{p}^{*}: cyclotomic character$ $\chi^{W}:=\mathbb{R}^{J_{K}}, P_{K}=G_{W}(K^{W}K)$
M: discrete (possibly softwite) Tx-module over Zp on which pas nilpotent
For any finit sub-nep M'CM, consider the land M(1)= M Ø Zp Zp(1)
$\partial p(i) = \frac{\log m}{k} M_{pk}$
along upon ) Upon and at
Zp(1) arosses from a p-divisible group (cf. Defention 4.6.1)  + M as unramified (cf. Defention 4.6.1)  sehene / Ox
· Hf(GK, M(1)) (Definition and so on)
(1) Suppose M's a fourte l'k-module
Juflation-Restriction exact sequence  O > H'(Tk, M'(1) Tk) Inf > H'(Gk, M'(1)) Res > H'(Jk, M(1)) Pk  12(2) ( T )
$M'(I)^{I_{k}} = 0 \implies H'(G_{k}, M'(I)) \xrightarrow{\cong} H'(J_{k}, M'(I))^{I_{k}}$
Holbert 20
(modp) is non-trival  on Ik  W & free Zp-moelule
Survose on anniholates M' Then



