saue
$\operatorname{sim} 16,58$
Neeting on 0.5 usec Nem. 4 inkethen to hoep in syetem 5. Dumuell, Pooiding

1. Siminetion tanige to leget fo pook done.

- $2 \mu \mathrm{~s}$ momi en upluce $0.5 \mu \mathrm{~s}$ pronded seputt from dato man, Conaquare of $\frac{1}{2}$ and logic.
2, 3 areas:
(1) busic : not sip.
(2) Sigma: pataly mat?
(3) Anmest: sigifient bas

3. Renier of Sim. Stady,

$\rightarrow$ Noults 10 days on Moute Calo poob. from simulato ( (24 $4^{2!}$ dan)
Feb 1 date: on butget.
Cost of $0.5 \mu \mathrm{~s} \quad 1025 \mathrm{~mm} \approx 2.0 \mathrm{\mu s} \quad 16 \mathrm{M} \mathrm{Mem}$.

Registion: 0.1 is toofuct on is.
$\rightarrow$ Qustion sort out intemadiate result -ppedie FM.
2 Bus oypten:
$\rightarrow \quad 2$ Mas for Insth, 4 Mana for dato. Uut ame buo.
4. High apeed cores for Indsing:

1 . Dinternedrite Luta
2. Indx quatitis.
3. limer loops.
4. Iatemal Rejeictars in coes.

anothe upstom same timuiton Count,
(artully antider 0.1 Ms )

$$
20-3 \frac{3 m^{m v}}{10}
$$

Propose: a sepante mem. of thi higispeed for $x$ vog,

How importat is Non-dethatimi Real at no
 Sxchonge memony.
Harmest: Gomerine$\rightarrow$ me 0.7 for 0.5 年mm. cycle

