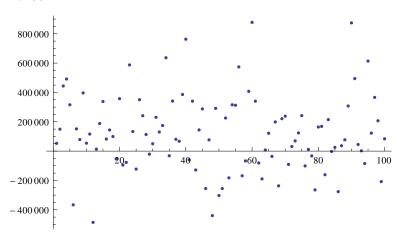
```
thilo = "d:\\Users\\Johannes\\Desktop\\diplom\\mat_backup\\nucleon3pt.790.m0.200.a0";
pos = "d:\\Users\\Johannes\\Projekte\\Diplom\\results backup cluster\\pos.pol.24\\
   nucleon3pt.790.m0.200.a0";
neg = "d:\\Users\\Johannes\\Projekte\\Diplom\\results_backup_cluster\\neg.pol.10\\
    nucleon3pt.790.m0.200.a0";
avg =
  "d:\\Users\\Johannes\\Projekte\\Diplom\\results_backup_cluster\\average\\a0\\200"
c3 = (#[[2]] + I #[[3]]) & /@ Import[pos, "Table"]; c2 = (#[[2]] + I #[[3]]) & /@ Import|
   "d:\\Users\\Johannes\\Projekte\\Diplom\\results_backup_cluster\\pos.pol.24\\200"
   , "Table" ];
c2n = (\#[[2]] + I \#[[3]]) \& /@ Import[
    "d:\Vsers\V Diplom\V results\_backup\_cluster\V neg.pol.10\V 200
      ", "Table" ];
tc3 = (#[[2]] + I #[[3]]) & /@ Import[thilo, "Table"];
mc2 = Table [{Mean [Re [Log [#]]], StandardDeviation [Re [Log [#]]]} &[
    Table [c2[[j+i*32]], \{i, 0, 99\}]], \{j, 2, 32\}];
ten = Table [c2n[[j+i*32]], \{i, 0, 99\}], \{j, 1, 32\}];
te = Table[C2[[j+i * 32]], {i, 0, 99}], {j, 1, 32}];
mc2n = Table[{Re[Mean[#]], Re[StandardDeviation[#]], j} &[
    Table[c2n[[j+i*32]], \{i, 0, 99\}]], \{j, 32, 1, -1\}];
mc3 = Table[Sum[c3[[j+i*32]], {i, 0, 99}], {j, 32}];
mtc3 = Table[Sum[tc3[[j+i*32]], {i, 0, 99}], {j, 32}];
Mean [Re [-te [[24]]]]
StandardDeviation [Re[-te[[24]]]] / Mean [Re[-te[[24]]]]
ListPlot [Re[-te[[24]]]]
127877.
2.18532
 800 000
 600 000
 400 000
 200 000
               20
                                                     100
-200\,000
-400\,000
```

121434.

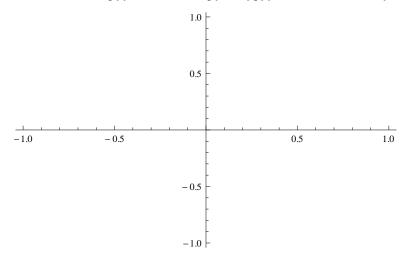
2.15014



mc2n[[1]]

 $-1.0805 \times 10^{15} - 1.91479 \times 10^{11}$ i

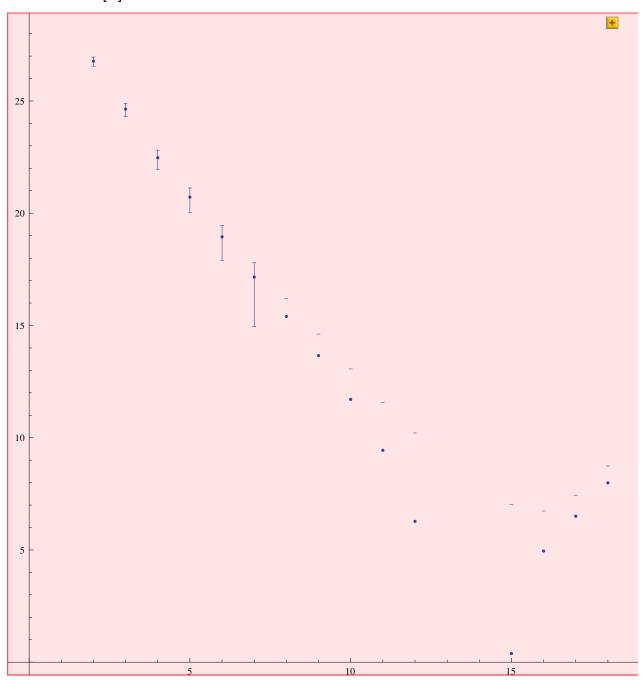
Needs["ErrorBarPlots`"]



mc2n

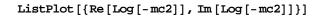
```
 \left\{ \left\{ 2.00638 \times 10^{12}, \ 3.26645 \times 10^{11}, \ 32 \right\}, \ \left\{ 4.27819 \times 10^{11}, \ 8.61311 \times 10^{10}, \ 31 \right\}, \\ \left\{ 9.79242 \times 10^{10}, \ 2.3766 \times 10^{10}, \ 30 \right\}, \ \left\{ 2.27944 \times 10^{10}, \ 6.7365 \times 10^{9}, \ 29 \right\}, \\ \left\{ 5.34008 \times 10^{9}, \ 1.8437 \times 10^{9}, \ 28 \right\}, \ \left\{ 1.27618 \times 10^{9}, \ 5.23601 \times 10^{8}, \ 27 \right\}, \\ \left\{ 3.07989 \times 10^{8}, \ 1.45842 \times 10^{8}, \ 26 \right\}, \ \left\{ 7.45437 \times 10^{7}, \ 3.90315 \times 10^{7}, \ 25 \right\}, \\ \left\{ 1.77805 \times 10^{7}, \ 1.01022 \times 10^{7}, \ 24 \right\}, \ \left\{ 4.24884 \times 10^{6}, \ 2.67017 \times 10^{6}, \ 23 \right\}, \\ \left\{ 1.00317 \times 10^{6}, \ 693449 ., \ 22 \right\}, \ \left\{ 235530 ., \ 174839 ., \ 21 \right\}, \\ \left\{ 55494.1, \ 44888.1, \ 20 \right\}, \ \left\{ 12894.4, \ 11867.3, \ 19 \right\}, \ \left\{ 2947.1, \ 3281.86, \ 18 \right\}, \\ \left\{ 668.202, \ 989.69, \ 17 \right\}, \ \left\{ 141.466, \ 700.902, \ 16 \right\}, \ \left\{ 1.46911, \ 1112.8, \ 15 \right\}, \\ \left\{ -94.5661, \ 2332.57, \ 14 \right\}, \ \left\{ -188.539, \ 7289.72, \ 13 \right\}, \ \left\{ 531.458, \ 26678.7, \ 12 \right\}, \\ \left\{ 12594., \ 93939.2, \ 11 \right\}, \ \left\{ 121434., \ 350461., \ 10 \right\}, \ \left\{ 851365., \ 1.37881 \times 10^{6}, \ 9 \right\}, \\ \left\{ 4.88989 \times 10^{6}, \ 5.84092 \times 10^{6}, \ 8 \right\}, \ \left\{ 2.82246 \times 10^{7}, \ 2.51239 \times 10^{7}, \ 7 \right\}, \\ \left\{ 1.69104 \times 10^{8}, \ 1.09398 \times 10^{8}, \ 6 \right\}, \ \left\{ 9.93808 \times 10^{8}, \ 4.99572 \times 10^{8}, \ 5 \right\}, \\ \left\{ 5.72738 \times 10^{9}, \ 2.32142 \times 10^{9}, \ 4 \right\}, \ \left\{ 5.01073 \times 10^{10}, \ 1.44545 \times 10^{10}, \ 3 \right\}, \\ \left\{ 4.24581 \times 10^{11}, \ 8.5518 \times 10^{10}, \ 2 \right\}, \ \left\{ -1.0805 \times 10^{13}, \ 1.46724 \times 10^{12}, \ 1 \right\} \right\}
```

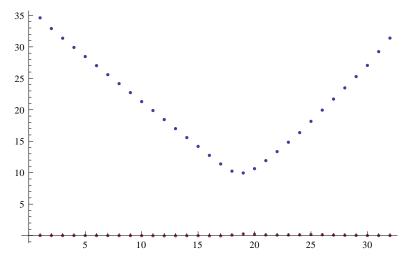
```
a = \{ \#[[3]], Log[\#[[1]]] \},
    {{{32, 28.3274}, ErrorBar[{0.150833, -0.177696}]},
 {{31, 26.782}, ErrorBar[{0.183426, -0.224802}]},
 \{\{30, 25.3075\}, ErrorBar[\{0.217285, -0.277994\}]\},
 {{29, 23.8498}, ErrorBar[{0.258923, -0.350314}]},
 {{28, 22.3985}, ErrorBar[{0.296585, -0.423513}]},
 {{27, 20.9671}, ErrorBar[{0.343793, -0.528119}]},
 {{26, 19.5456}, ErrorBar[{0.387662, -0.641563}]},
 {{25, 18.1269}, ErrorBar[{0.42108, -0.74151}]},
 \{\{24, 16.6936\}, ErrorBar[\{0.449903, -0.839702\}]\},\
 \{\{23, 15.2622\}, ErrorBar[\{0.487626, -0.990061\}]\},
 {{22, 13.8187}, ErrorBar[{0.525472, -1.17524}]},
 \{\{21, 12.3696\}, ErrorBar[\{0.555219, -1.35605\}]\},
 \{\{20, 10.924\}, ErrorBar[\{0.592709, -1.65486\}]\},
 {{19, 9.46455}, ErrorBar[{0.652505, -2.53005}]},
 \{\{18, 7.98858\}, ErrorBar[\{0.748387, -2.17517 + 3.14159 i\}]\},
 \{\{17, 6.50459\}, ErrorBar[\{0.908711, -0.731631 + 3.14159 i\}]\},
 \{\{16, 4.95206\}, ErrorBar[\{1.78416, 1.37487+3.14159 i\}]\},
 \{\{15, 0.384658\}, ErrorBar[\{6.6313, 6.62866+3.14159 i\}]\},
 {{14, 4.5493+3.14159 i}, ErrorBar[{3.16404+3.14159 i, 3.24517}]},
 \{\{13, 5.23931 + 3.14159 i\}, ErrorBar[\{3.62871 + 3.14159 i, 3.68045\}]\},
 \{\{12, 6.27562\}, ErrorBar[\{3.93572, 3.89588+3.14159 i\}]\},
 \{\{11, 9.44097\}, ErrorBar[\{2.13524, 1.86549+3.14159 i\}]\},
 \{\{10, 11.7071\}, ErrorBar[\{1.35739, 0.634471+3.14159 i\}]\},
 \{\{9, 13.6546\}, ErrorBar[\{0.962994, -0.478796 + 3.14159 i\}]\},
 \{\{8, 15.4027\}, ErrorBar[\{0.785949, -1.63738 + 3.14159 i\}]\},
 \{\{7, 17.1557\}, ErrorBar[\{0.636651, -2.20855\}]\},
 \{\{6, 18.946\}, ErrorBar[\{0.498909, -1.04107\}]\},
 \{\{5, 20.7171\}, ErrorBar[\{0.407253, -0.698531\}]\},
 {{4, 22.4685}, ErrorBar[{0.340265, -0.519732}]},
 \{\{3, 24.6374\}, ErrorBar[\{0.253456, -0.34034\}]\},
 {{2, 26.7744}, ErrorBar[{0.183502, -0.224917}]},
 \{\{1, 30.011 + 3.14159 i\}, ErrorBar[\{-0.145943, 0.127331\}]\}\}
Pi // N
3.14159
a[[14]]
{{19, 9.46455}, ErrorBar[{2.53005, -0.652505}]}
```



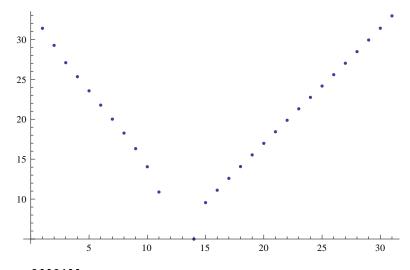
mc2n[[1]]

 $-1.08043 \times 10^{15} - 3.43494 \times 10^{11}$ i





ListPlot[{Log[Re[te]]}]

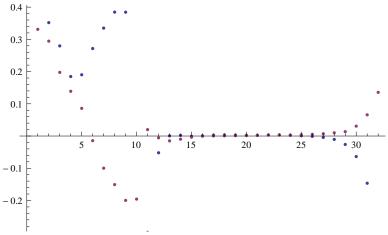


mc2[[24]]

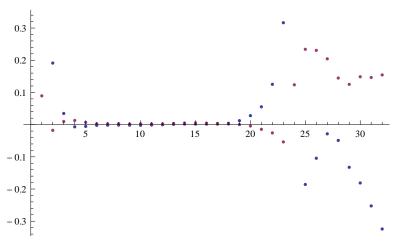
 $-1.27877 \times 10^{7} - 1.51982 \times 10^{6}$ i

mc2n[[23]]

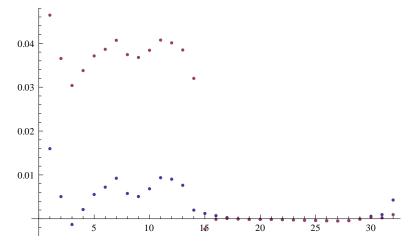
 $1.21434 \times 10^7 + 305622$. i



${\tt ListPlot}\,[\{{\tt Im}\,[{\tt mc3}]\,/\,{\tt Re}\,[{\tt mc2}[\,[24]]]\,,\,{\tt Re}\,[{\tt mc3}]\,/\,{\tt Re}\,[{\tt mc2}[\,[24]]]\}]$







 $\{\{1, 2, 3\}\} / \{\{10, 100, 1000\}\}$

$$\left\{\left\{\frac{1}{10}, \frac{1}{50}, \frac{3}{1000}\right\}\right\}$$

Log [-4]

 $i\pi + Log[4]$

Sin[#] & /@ {1, 2, 3}

{Sin[1], Sin[2], Sin[3]}